

Claims

1. Star shaped alumina extrudates with a pore volume in pores of diameter of over 1000 nm, as determined by mercury porosimetry, of at least 0.05 ml/g, a side crushing strength of at least 50 N and a bulk crushing strength of at least 5 MPa.

2. Extrudates according to claim 1, having a length of between 2 and 8mm.

3. Extrudates according to claim 1 or 2, having a length to diameter ratio of between 1 and 3.

4. Extrudates according to claims 1-3, wherein the total pore volume a determined by mercury porosimetry is between 0.5 and 0.75 ml/g.

5. Extrudates according to claims 1-4, wherein the BET surface area is at least 75 m²/g.

15 6. Extrudates according to claims 1-5, wherein the attrition in accordance with ASTM D4058-87 is less than 5 wt.%, preferably less than 3 wt.%.

7. Catalyst, comprising at least one catalytically active material supported on an extrudate according to claims 1-6.

20 8. Catalyst according to claim 7, wherein the catalytically active material is selected from the group of metals, metal oxides, metal sulfides and combinations thereof.

25 9. Use of an extrudate according to claims 1-6 or a catalyst according to claim 7 or 8 in a chemical reaction.

Add A3
Add B2